

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No.: 10/605,537  
Applicant: JEON et al.  
Filed: 10/06/2003  
TC/AU: 1744  
Examiner: BEISNER, William H.  
Docket: UC-P0001  
Customer No. 36067  
Conf. No. 2536  
For: MICROFLUIDIC MULTI-COMPARTMENT DEVICE FOR  
NEUROSCIENCE RESEARCH

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**DECLARATION OF ANNE M. TAYLOR PURSUANT TO 37 CFR § 1.48(a)(2)**

I, Anne M. Taylor, declare and state as follows:

1. I am making this declaration to request that I be added as a named inventor on the above-identified patent application. I have reviewed the application papers and I am familiar with the subject matter described and claimed in this application, including the pending claims as presented in the August 19, 2006 Response.

2. I believe I am one of the original and first inventors of the subject matter which is claimed including the pending claims, claims 17-42. This includes for the multi-compartment microfluidic device of claim 17 and the claims dependent thereon, the claimed optically transparent housing, the claimed microfluidic regions that create hydrostatic pressure and the claimed plurality of microgrooves in the barrier region. For the multi-compartment microfluidic device of claim 39, and the claim dependent thereon, this includes the claimed optically transparent housing, the microfluidic regions that create hydrostatic pressure and the claimed microgrooves. For the claimed method for culturing biological specimens of claim 41, this includes the claimed optically transparent housing, the claimed microfluidic regions that create hydrostatic pressure and the claimed at least one embedded microgroove. For the claimed method for neuronal culturing of claim 42, this includes the claimed optically transparent housing, the claimed microfluidic regions that create hydrostatic pressure, the claimed plurality of microgrooves and the step of introducing a nerve cell into the first microfluidic region.

3. I am informed and believe that the reason I was not listed as an inventor on the application as originally filed was because the attorneys preparing the application for filing were not aware of my involvement in the claimed subject matter and that this error occurred without any deceptive intention.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed by me to be true; and further that these statements were made with the knowledge that willful false statements

and the like so made are punishable by fine or imprisonment, or both, under 18 USC § 1001 and that such willful false statements may jeopardize the validity of the above entitled application or any patent issued thereon.

Date: 8-30-06

Anne M. Taylor  
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